INSTITUTO POLITÉCNICO DE MACAU
MACAU POLYTECHNIC INSTITUTE

School of Public Administration
Computer Studies Program

Academic Year 2006-2007
Year 3 - Graduation Project

Documentation
Active Lifestyle Web Calendar

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Topic : **Active Lifestyle Web Calendar**

Active Lifestyle Web Calendar

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I. ABSTRACT

Active Lifestyle Web Calendar is the most powerful calendar compare with all the open source web calendar because it allows you to access in the calendar schedule for a group of person (multi-user function). If one company doesn't need for most of the staffs coming to work in office, such as Insurance company and Design Programming Company, active lifestyle web calendar is your best choice as working partner. We can login into the web calendar at your home or anywhere else by authorizing your username and password only, and then you are able to see everyday schedules posted if there are some necessary things should be announced. Each staffs has assigned in different privileges; for admin level, it is the most powerful privileges as it allows you to read write and modify. For manager level, it is the second powerful privileges as it allow you to read and write. For employee level, it allows you to read only.

We are choosing this topic as our graduation project because the business field is becoming computerized. Most of the company working with Outlook Express as their contact application, as I think the dependence in Outlook Express is not quite completed and perfect. It allows you to lost the data easily if the network is broken. In my point of view, it should be replaced by Active Lifestyle Web Calendar because it is more activate and you can go through in the website at anytime you like. Also, the inference is designed in user friendly field, no matter you are the first time to come for joining our web calendar, you would easy to understand and take control on it.

II. INTRODUCTION

Active Lifestyle Web Calendar allows a user to access the calendar from anywhere a web browser is available. Internet Explorer is the recommended browser for the Web Calendar.

It is a simple and powerful web based calendar system. In addition to standard event scheduler one can create mini calendars, set event categories, plan online appointments, create user subscriptions, create password protected calendars, plus many more useful capabilities.

Whether you have a non-profit web community or e-commerce web site with affiliates, Active Lifestyle Web Calendar will extend your online planning and communications to the new level. A user-friendly interface allows publishing events on online schedule, setting recurring events, personalizing email notifications, setting online event alerts, and applying importance labels, highlights and many more features!

It will be more useful compare using the Outlook. In addition, you can easily export events created in Active Lifestyle Web Calendar to the most popular formats compatible with Microsoft Outlook, and other organizers. Nevertheless, Active Lifestyle Web Calendar a multi-user calendar system. It is intended to be simple to setup and use while still providing advanced features and flexibility to serve the purposes of a widely varied

user base. However, it can be used to as an events calendar for an organization or as a scheduling system for an intranet. Regarding this, the target for Active Lifestyle Web Calendar is to help a group of members who want to make the meeting through the web server, and make the appointment base on the web Calendar. Even the staff is not able to attend to work; they can know what's going on.

Feature

Active Lifestyle Web Calendar is using PHP program as application that can be configured as a multiple-user calendar or as an event calendar viewable by visitors.

It is a central calendar, time management and meeting scheduling system which has been licensed for all Pcfree's staff in order to help them to schedule the meetings, manage conference rooms, and maintain tasks lists. Active Lifestyle Web Calendar must get an account to access the system, which have been assigned the password to everyone.

Web Calendar can be setup in a variety of ways, such as...

1. A schedule management system for a single person
2. A schedule management system for a group of people, allowing one or more assistants to manage the calendar of another user
3. An events schedule that anyone which own the password can view, allowing visitors to submit new events.

Compare with Outlook Express

I know most of the business trade is using Outlook Express for their daily communication. Don't you think that it is good for organizing our schedules?? In my point of view, I don't think so, outlook express have many limitation which doesn't allow you to access with multi user function, and also the dependence in Outlook Express is not quite completed and perfect. If the server network is broken, then all data would be in a lost.

Advantages of Web Calendar

Active Lifestyle Web Calendar is an activate system and you can go through in the website at anytime you like. Also, the inference is designed in user friendly field, no matter you are the first time to come for joining our web calendar, you would easy to understand and take control on it. Nevertheless, it allows you to access the schedules from anywhere and explorer is the only recommended browser for the web calendar.

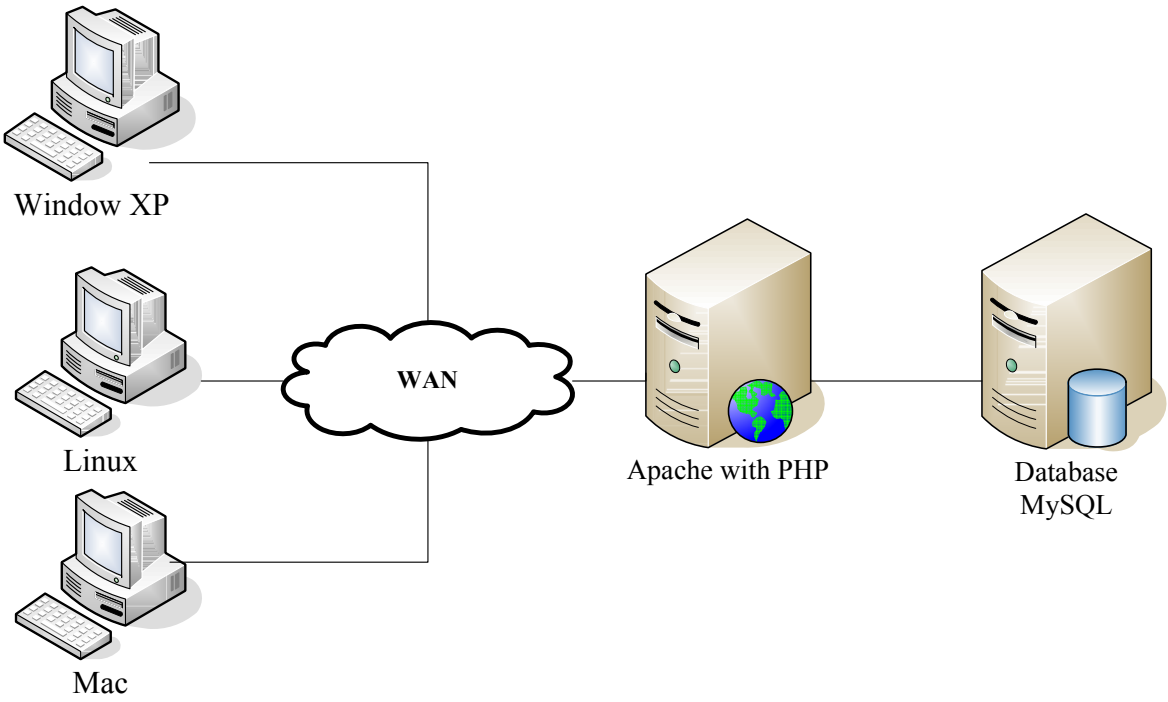
- Flexibility – Zero Client Installation
- Easy to use – Explorer is the only recommended browser for web calendar
- Accessibility – check anywhere
- Data Security – privacy protection
- System Data Reliable – data store in server side

III. SYSTEM ARCHITECTURE

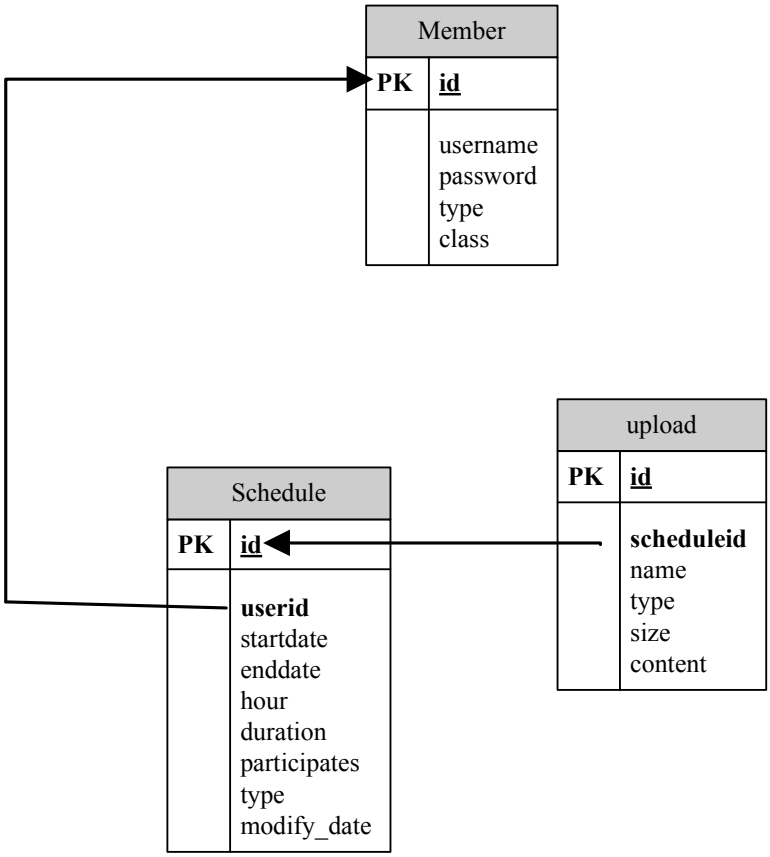
Data Structure Diagram

As the system can able to access in different OS (such as Window XP, Linux, and Mac…etc), so we can login into our web calendar at anywhere and anytime you like as the explorer is the only recommended browser for web calendar.

All Data is stored in the database, client will not afraid to lose any data because server can help for backup. We use Apache as the web browser and MySQL as the Database system.



ER - Diagram



One Database: Websystem
One Scheme: root
Three tables: Member, Schedule and upload

Member

id – it is the primary key for member
username – one of the attribute for member
password –one of the attribute for member
type - one of the attribute for member
class- one of the attribute for member

Schedule

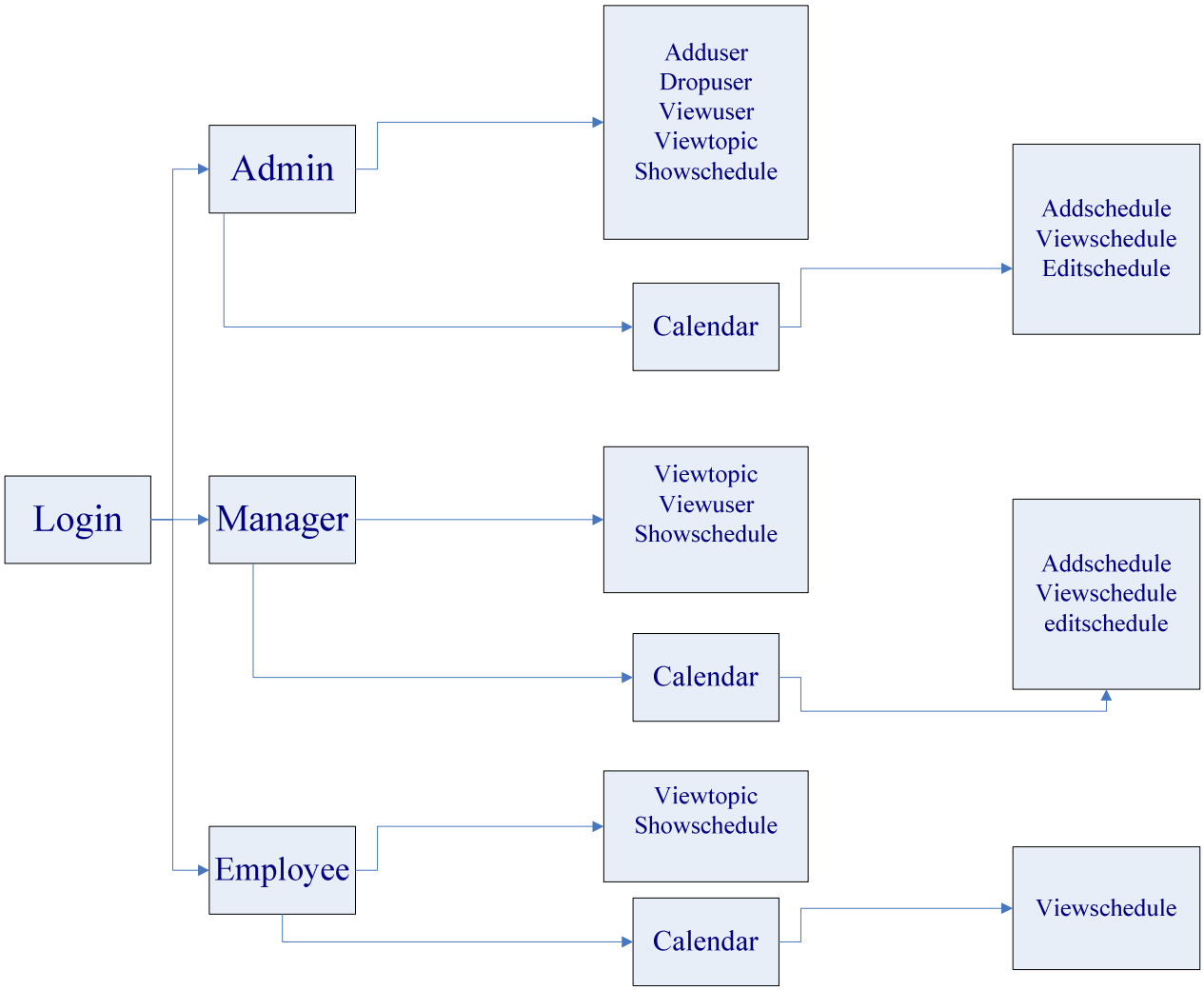
id – it is the primary key for Schedule
userid – it is the foreign key from member
startdate – one of the attribute for schedule
endate –one of the attribute for schedule
hour - one of the attribute for schedule
duration- one of the attribute for schedule
participates - one of the attribute for schedule

type - one of the attribute for schedule
modify_date - one of the attribute for schedule

Upload
id – it is the primary key for uplad
scheduleid – it is the foreign key from schedule
name – one of the attribute for upload
type –one of the attribute for upload
size - one of the attribute for upload
content- one of the attribute for upload

Functional Specification

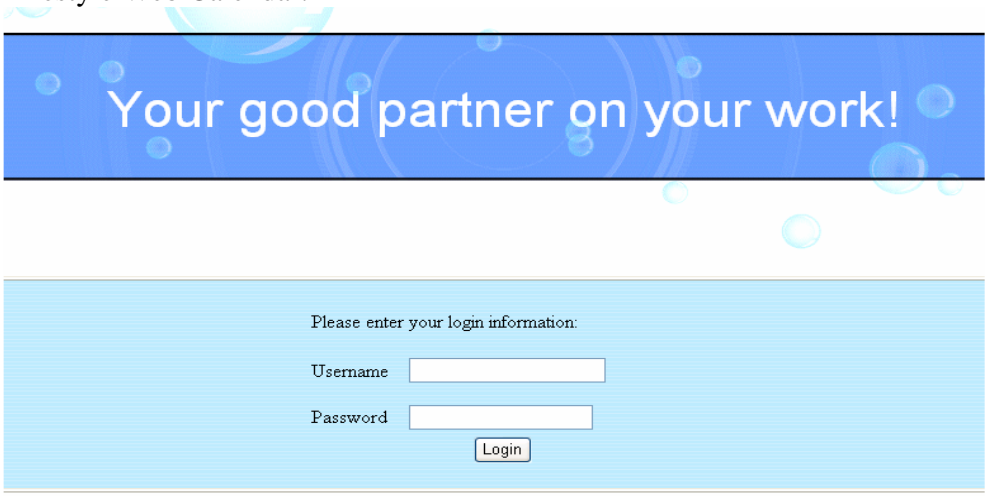
Below show the privileges in adim, manager and employee.



IV. USER MANUAL

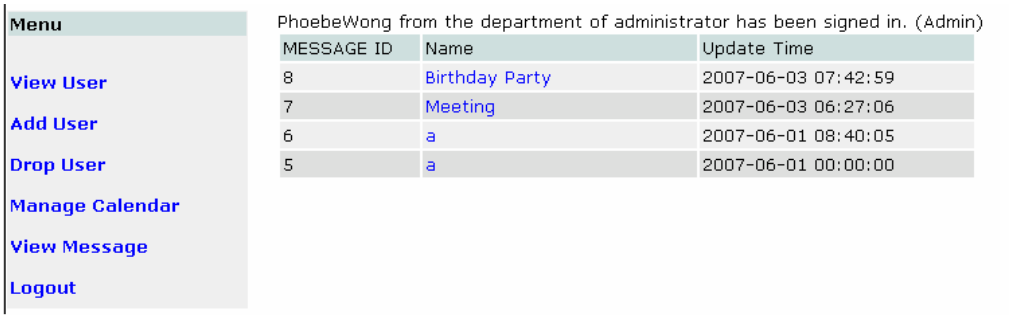
Login

The Login screen allows users to access the application by providing their user name and password. Users provide their logins and passwords and enter them in the respectively named fields. Once login and password are validated, user is redirected to the Active Lifestyle Web Calendar.



Once you have entered your username and password, the first page would allow you to see the messages which created from our staff members. The most updated messages will be showing on top.

Property	Description
Message ID	Each message would assign a unique ID number
Name	The subject of the message
Update Time	The time of writing this message



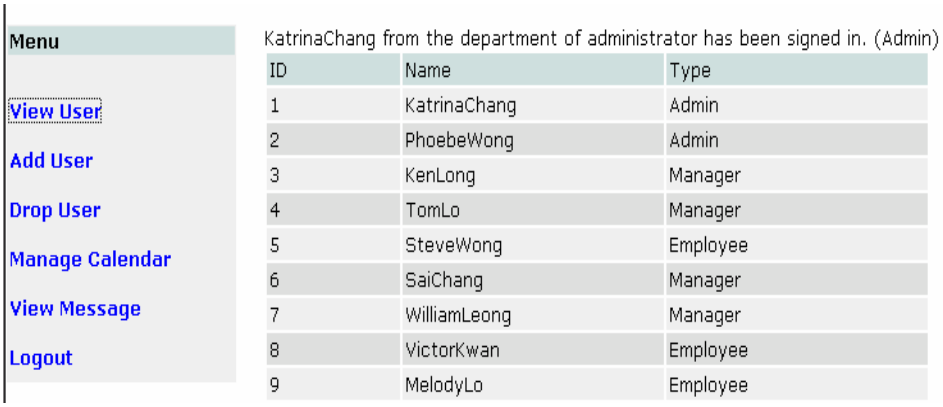
Authority in Database

We have assigned three different authorities for each member:

1. Admin

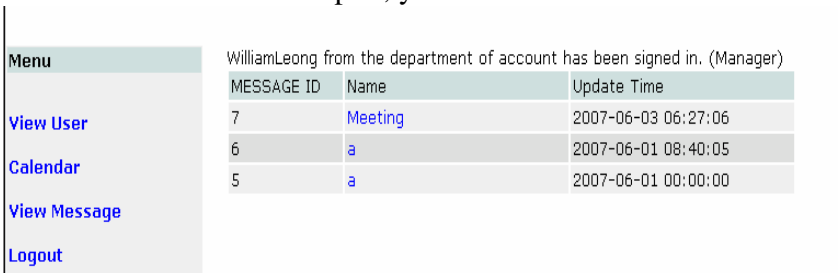
The authority in Admin allows you to read, write and modify. It is the most powerful one among all. Besides from this, admin can own the database function which allows you to add user or drop user from the database, and assign their authorities.

When you enter in Admin Authority Page (see below picture), the username, your belong department and your position would be show on top of the table.



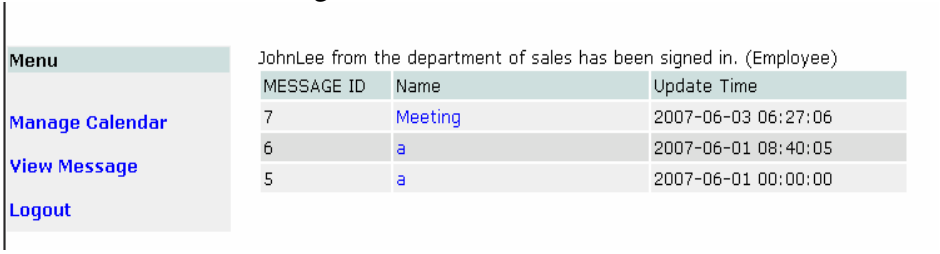
2. Manager

The authority in Manager allows you to read and write. It doesn't include the database function. On the Calendar part, you are allowed to edit the schedule on the database.



3. Employee

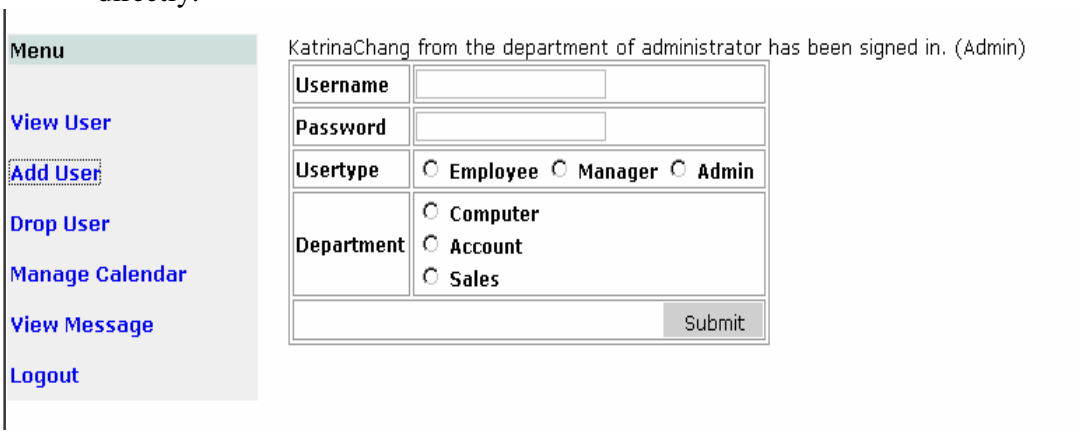
The authority in employee allows you to read only. On the Calendar part, you are absolutely not allowed to edit the schedule on the database. You can only review with the schedule and send message to the users.



Add User

For the add user part, only the user who own Admin Authority can add users on the database.

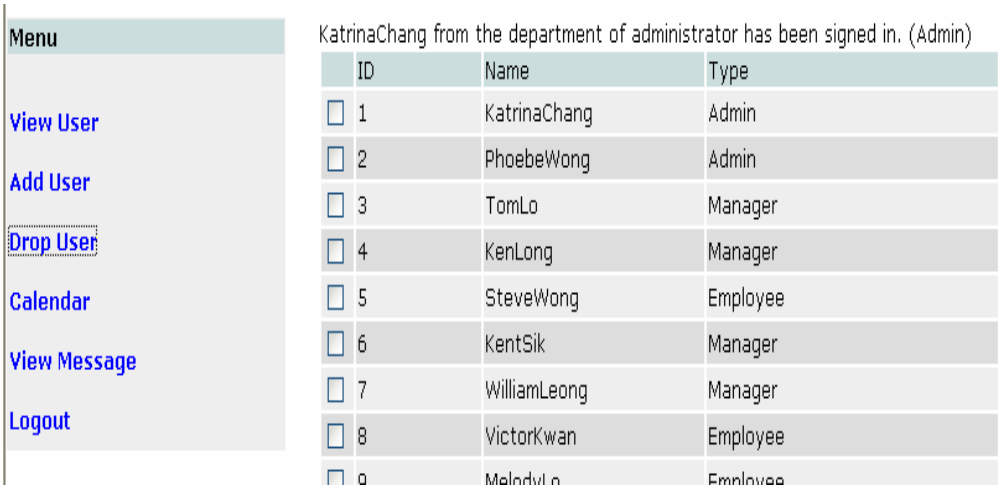
Step 1: Username- Input the name
Step 2: Password - Enter the 5 digits or characters.
Step 3: User Type – select the user who belongs to which authority
Step 4: Department – select the user who belongs to which group.
Step 5: Submit – press the submit button and all the details will store in the database directly.



Drop User

For the add user part, only the user who own Admin Authority can add users on the database.

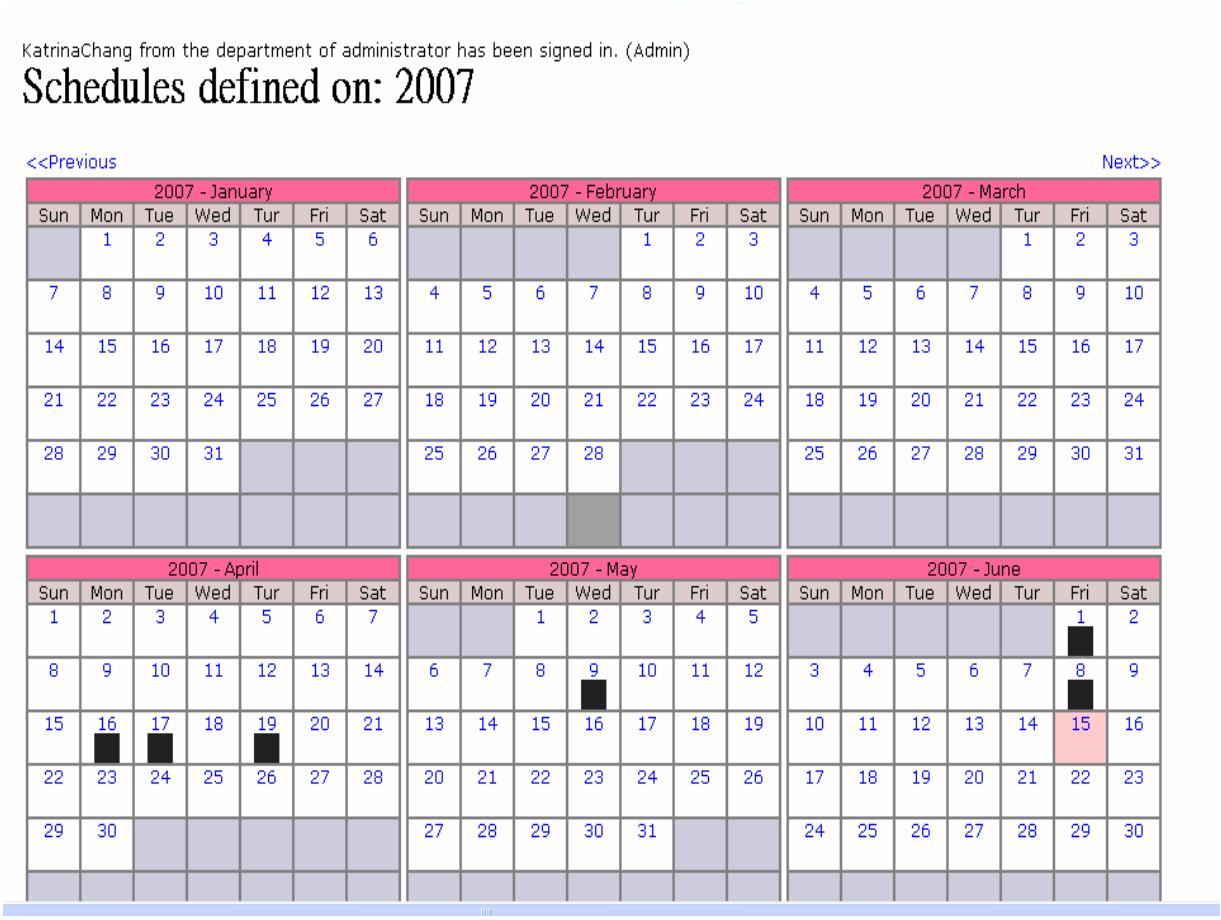
Step 1: User ID- Each members would be assigned one user ID, you only enter the ID whom you want to drop
Step 2: Submit – press the submit button and system will delete the user in the database directly.



Calendar Snapshot

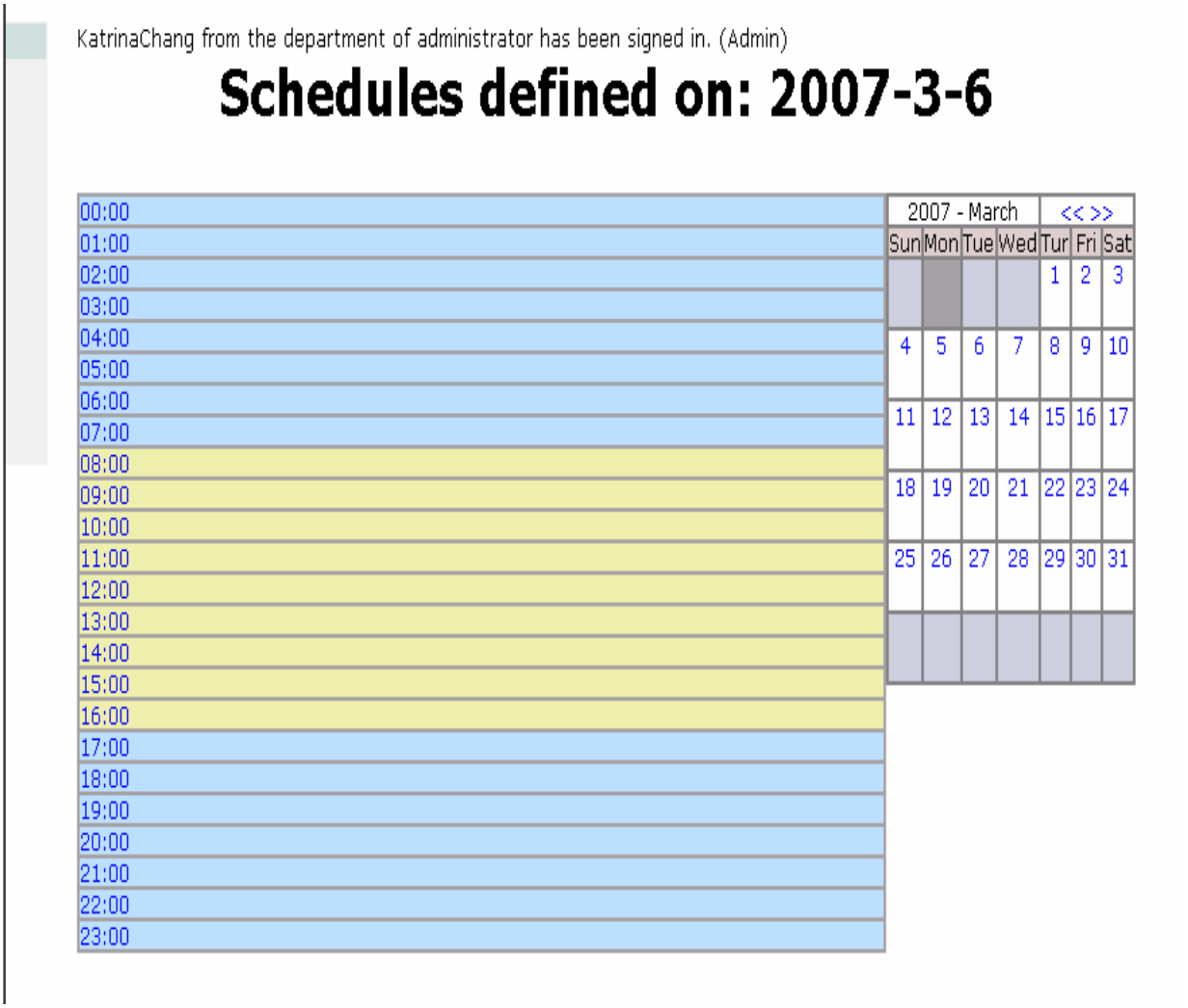
The Calendar Snapshot is used to quick view events which have written on the schedule. The Calendar Snapshot can always show the current month or can show the month of the main Calendar. In the second case the navigator to the neighbor months can be activated. By default the Calendar Snapshot is shown in the Year views but it can be also activated in the month view. The events are not displayed directly in the Calendar. When the cursor is over the date with events the box with event titles is displayed. If the user clicks on the date the calendar is switched to the Month View for the selected day.

Each days would present a hyperlink which show in blue color. You only need to double click the date which you want to add the schedule and it will automatically jump to the schedule page. If there is message or schedule on that day, a “Black Square” would be showed under the date for you to pay more attention.



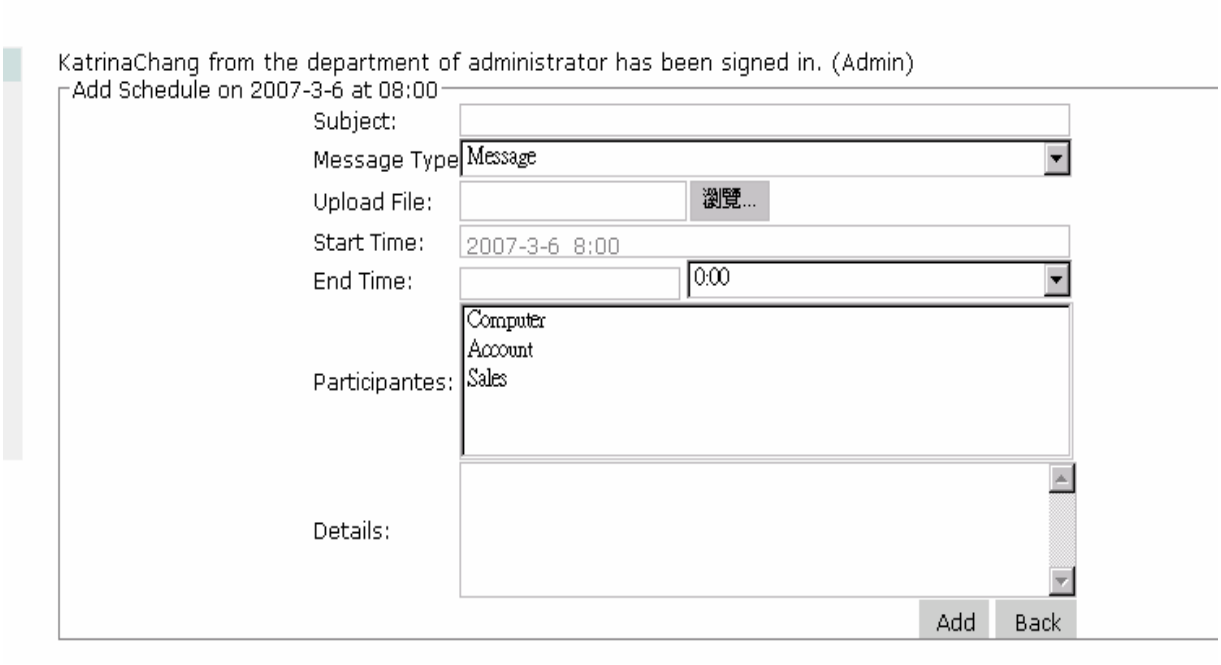
Add Schedule

The current week may be accessed from any place in the system by clicking “Day” in the top calendar menu. The Monthly View displays events from the selected month. If the user clicks on the time link, the add schedule will be opened. The add schedule box can be shown in the in the pop-up window. This parameter is specified in the Configuration section.



Add Event

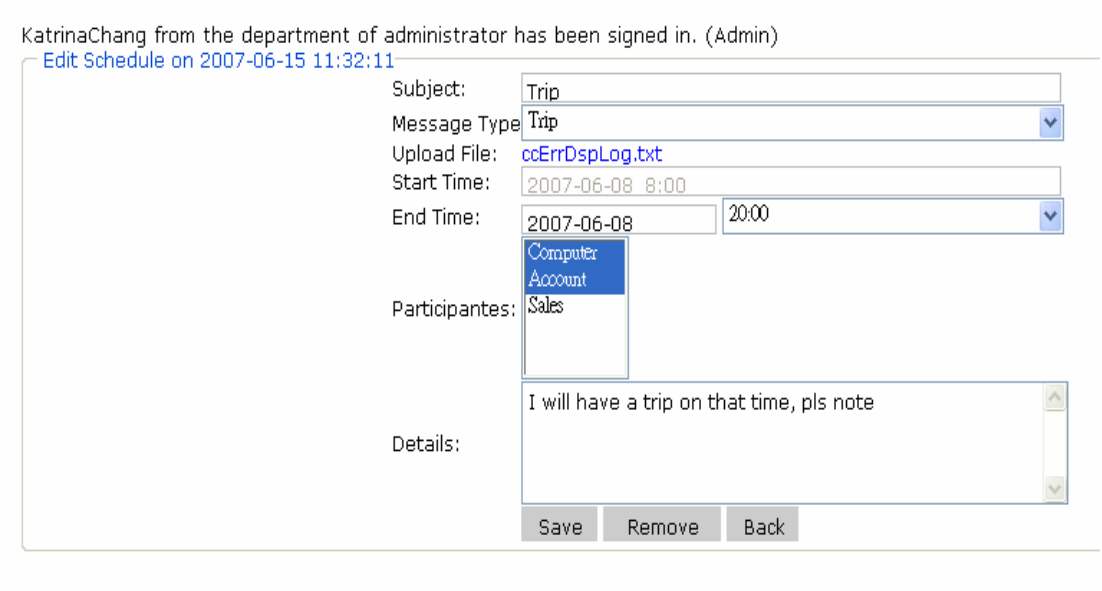
If users have rights to add/edit events the (Add Event) icon will be shown for the date in Calendar Views. Clicking on this icon will add an event to the current day. The Add New event screen presents the user a form to define a new event.



Property	Description
Subject	Specify the event title in order to know more clearly about the message
Message Type	Choose the type of the message. It has different type of option, such as: Message, Attachment, Birthday, Conference, Dinner, Hi-tea, Lunch and Trip
Attachment	It can upload 1 kb – 20mb file on attachment
Start Time	Specify the starting time of the event.
End Time	Specify the ending time of the event
Participations	Specify to the related department which will attend the meeting or schedulers
Details	Specify the brief description of the event
Add Button	insert all the written messages on the database
Back Button	Return all the messages to blank.

Note: By default, the starting date will be visible in the menus. The active date is either the date you double clicked on to access the "Time Set Up" schedule.

Edit Event/ Remove Event

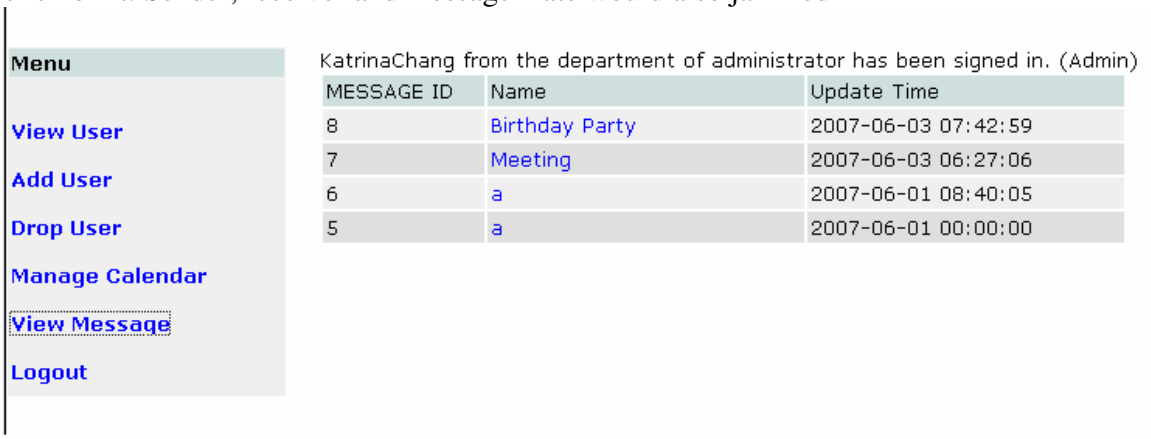


Property	Description
Subject	Specify the event title in order to know more clearly about the message
Message Type	Choose the type of the message. It has different type of option, such as: Message, Attachment, Birthday, Conference, Dinner, Hi-tea, Lunch and Trip
Attachment	It can upload 1 kb – 20mb file on attachment
Start Time	Specify the starting time of the event.
End Time	Specify the ending time of the event
Participations	Specify to the related department which will attend the meeting or schedulers
Details	Specify the brief description of the event
Save Button	Revised and insert all the written messages on the database
Remove Button	Clear all the messages.
Back Button	Return all the messages to blank.

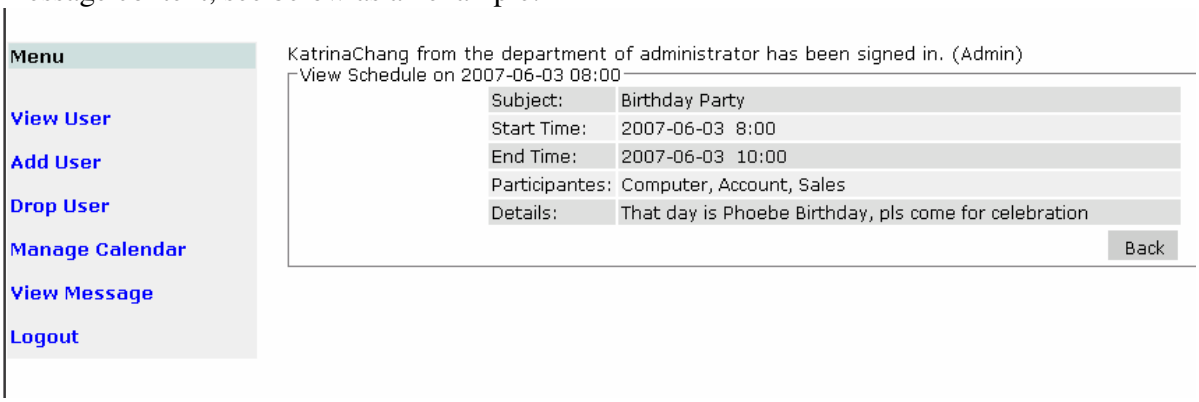
View Message

View Message is used to see the full event information which works like an email expresses function. The details are shown each time event title link is clicked in any calendar view.

Each message will assign a job ID. A title link would be shown accordingly if you double click on it. Sender, receiver and message Date would also jammed



Once you double click to the name (message description), it will link directly to the message content, see below as an example:



IV System Requirements

PHP 4.1 - PHP 5: some features specific version:
RequieredDatabase: MySQL
CSS-enabled browser: Microsoft Internet Explorer

Recommended:
You must have one of the following databases installed:

- MySQL
- MS SQL Server
- SQLLite (PHP5)
-

For the database you choose, you must have its drivers built into PHP. For example, to use MySQL, PHP must be compiled with MySQL support (which is the default setting when installing PHP). See the PHP pages (www.php.net) for more information on setting up PHP.
No optional PHP packages (other than MySQL) are required for this application. However, PHP should be compiled with --enable-track-vars on some systems.

TIP If you want to use gradient background images, PHP must be compiled with the GD library.

You can run PHP either as a CGI or an Apache module. You'll get better performance with PHP setup as a module. Not only will you not have to deal with the CGI performance hit, but you'll be able to use PHP's database connection pooling. Additionally, this application can use a form/cookie-based authentication or traditional HTTP authentication. For traditional HTTP authentication, PHP must be built as an Apache module.
If you are planning on using email reminders, you will need to build PHP as a CGI in order to run the send_reminders.php script. I would strongly recommend building a module-based PHP for your web server and then a second PHP build to create the CGI version.

Appendix A: Using phpMyAdmin

If you have phpMyAdmin installed and configured to manage your MySQL database, use the following steps to setup WebCalendar. (The following information is based on phpMyAdmin version 2.6.1.)

1. On the initial phpMyAdmin page, under the "MySQL" heading, the first option should be "Create new database." Enter the name you have chosen for the database and press the "Create" button. (The default database name used by WebCalendar is "intranet".) After pressing the "Create" button, it should say: "Database <your database name here> has been created."
2. Click on the home icon (the small house) in the left-side navigation. This will bring you back to your phpMyAdmin home page.
3. (Optional) Create new MySQL user. If you already have a MySQL login that you would like to use, you can skip this step.
    - Click on the "Privileges" link under the "MySQL" heading.
    - Below any existing users listed, click on the link "Add a new User."
    - Fill in the details of your new database user. The default username for WebCalendar is "webcalendar" with a password of "webcal01". Leave the "Host" field set to "Any host".
    - From the list of "Global privileges", be sure to select: SELECT, INSERT, UPDATE, DELETE, FILE, CREATE, ALTER, INDEX, DROP
    - Click on the "Go" button.
    - You should see a page that says "You have added a new user."
4. Click on the "Databases" tab at the top of the page.
5. From the list of databases on the page, click on the name of the database that you created.
6. Click on the "SQL" tab at the top of the page.
7. At the bottom of the page, there is an area to upload a SQL file. Click on the "Browse" button and select the tables-mysql.sql file in the WebCalendar toplevel directory. Then, press the "Go" button.
8. The top of the page should say "Your SQL-query has been executed successfully."
9. You have now finished creating the WebCalendar database tables.

Appendix B: Database Setup

There are three steps in setting up the database:

1. Creating the database
2. Creating the user
3. Creating the required tables

Follow the steps outlined below for the database you are using. When complete, a single user account will be created with the **login "admin" and password "admin"**, which you are encouraged to use to create your own account.

Note: In the examples below, text in **bold** represents text that you must type in.

Security: The default values for database, login, and password (**intranet** and **webcalendar**) are for demonstration purposes only and should never be used in a production environment.

MySQL

The following will create a database named "websystem".

```
CREATE DATABASE `websystem` DEFAULT CHARACTER SET utf8
COLLATE utf8_general_ci;
```

Next, create the database user account that will be used to access the database.

```
create table member
(
id MEDIUMINT primary key,
username varchar(255),
password varchar(255),
type char(1),
class varchar(255)
);
```

If you will be accessing MySQL from a different machine than the one running the web server, repeat the command above and replace 'localhost' with the hostname of the other machine..

```
Insert into member values (1,”KenLong”,”kl123”, “a”,
“Admin”);
```